Climate Change and Human Health Literature Portal

National Institute of Environmental Health Sciences

Design and Analysis of Satellite Based Disaster Warning System - II

Abstract:

Disasters are unexpected events, which not only claim the lives of human beings and animals, but also result in huge damage to both natural and man-made properties. Disasters can be categorized as natural disaster, man-made disaster and environmental disaster. A large landmass on earth is prone to several natural disasters such as floods cyclone, landslide, earthquake, forest fire etc. Space based systems from their vantage position have unambiguously demonstrated their capability in providing vital information and services in disaster situation. Besides providing vital inputs for taking preventive measures through vulnerability analysis and prior risk assessment at regional and local levels, satellite based disaster data help in minimizing loss of life, property in advance. This paper presents the use of satellite-based data acquisition system, and analysis for advance disaster warning system.

Source: http://dx.doi.org/10.1109/TENCON.2007.4428954
http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=4428954

Resource Description

Communication: ⊠

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

 A focus of content

Communication Audience: ⊠

audience to whom the resource is directed

 Researcher

Early Warning System: ⊠

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

 A focus of content

Exposure : ⊠

☐

weather or climate related pathway by which climate change affects health

 Extreme Weather Event

   Extreme Weather Event: Flooding, Hurricanes/Cyclones, Landslides, Wildfires

Geographic Feature: ☒

resource focuses on specific type of geography

 None or Unspecified

Geographic Location: ☒

resource focuses on specific location

 Global or Unspecified

Health Impact: ☒

specification of health effect or disease related to climate change exposure

 Injury

Intervention: ☒

strategy to prepare for or reduce the impact of climate change on health

 A focus of content

Mitigation/Adaptation: ☒

mitigation or adaptation strategy is a focus of resource

 Adaptation

Resource Type: ☒

format or standard characteristic of resource

 Research Article, Review

Resilience: ☒

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

 A focus of content

Timescale: ☒

time period studied

 Time Scale Unspecified